

ABSTRACT OF THE INVENTION

The present invention is an electrode for electric double layer capacitors wherein a polarizable porous sheet composed of constituent materials including a carbonaceous electric double layer-forming material, a carbon material for ensuring conductivity, and a binder is integrated to at least one surface of a collector via a conductive intermediate layer; and is characterized in that the conductive intermediate layer contains a synthetic rubber and two more kinds of carbon materials having different particle diameters. According to the present invention, the electrode can be readily manufactured in a continuous manner with high heat resistant adhesion between the polarizable porous sheet and the collector and a low internal resistance; and when used in an electric double layer capacitor, it is possible to obtain an electrode capable of ensuring a higher capacity and lower internal resistance than is conventionally achieved.

15